

Greensburg Central Catholic Junior-Senior High School



PROGRAM OF
STUDIES
2023-2024

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BUSINESS/TECHNOLOGY

Grade Level	Course Name	Number	Credits	Weight
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11,12	Accounting I	0400	1	Level I
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Accounting I will give the student a thorough background in the basic accounting procedures used to operate a business. The concepts and procedures presented will serve as a background for employment in office jobs and prepare the students for studying business in college. Students will study the logic and theory of the accounting cycle to understand and interpret financial data. The principals and methods of recording transactions, posting, and preparing financial statements are an integral part of the course with a focus on service and merchandising businesses organized as sole proprietorships and partnerships. All future business majors should take this course.

Grade Level	Course Name	Number	Credits	Weight
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12	CHS Accounting II	0410	1	Level II
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Accounting 2 is designed for the business student and the college bound business major. Accounting 2 is an advanced course that builds upon the basics acquired in Accounting I. During the first semester students will review concepts from Accounting I and improve and broaden the student's knowledge and understanding of accounting concepts and procedures to include accruals and depreciation and apply them to corporate accounting. The second semester will focus on applying accounting concepts and procedures in order to interpret financial documents and the completion of an accounting project.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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7,8	Maker Space	0645	0	Level I
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The Greensburg Central Catholic Makerspace course will examine technology (low and high), its applications, its effect on society, and its ethical use through the prism of Catholic moral and social teaching. Students will have both theoretical and hands-on encounters with technology of different types, including soft and hard materials, hand and power tools, electronics, and digital technology.

The course will also have an explicit and implicit focus on design, using the design process (a.k.a. engineering design, design method, cycle of design; closely related to the scientific method) as a locus. Students will be given challenges, and be asked to use the design process to guide their reasoning towards workable solutions. Students will use these as opportunities to work both independently and in groups, in order to apply new technological and procedural skills to assigned problems.

This is a one semester course with much material on which to focus. Instead of delving into any one topic heavily, the modus operandi will instead be to give students a basic introduction to each topic, demonstrate some applications of those topics, and inspire students to guide their own deeper learning.

Grade Level	Course Name	Number	Credits	Weight
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11,12 Personal Finance 0771 .5 Level I

This course delves into the science of financial decision-making and activities of an individual; this includes budgeting, savings, debt servicing, saving, sharing and taxes. Financial planning for the student to meet short-term and long-term goals and introduces ideas of how to manage money. Individuals seek advice from financial planners and this course introduces the concepts by using software and websites from banks, financial institutions, and the government to explore financial options. Personal Finance includes monitoring spending, budgeting for an emergency fund, and paying down debt. Students should leave this course with a better idea of how to manage their finances and money.

Grade Level	Course Name	Number	Credits	Weight
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10,12 Yearbook 1700 1 Level I

Through a study of yearbook theory which includes typography, photography and photographic special effects, page layout and design, writing, graphic design and desktop publishing, the students in this class are prepared to meet the responsibility for publication of the high school annual yearbook. Students will have extensive exposure to the program Yeartech on-line program, which is part of the Josten's Yearbook Publishing Yearbook Avenue. This program is the one that is used to create GCC's Yearbook. This course should be taken by juniors in preparation of their senior yearbook the following year and is required for membership on the yearbook staff when students are seniors.

Prerequisites: Digital Photography or Graphic Design.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Computer Programming I 4720 1 Level I

The Greensburg Central Catholic Programming I class serves as an introduction to computer programming. Students wanting to pursue careers or hobbies in computer programming, computer science, or robotics will learn some of the basics of those fields in this class. Students will be exposed to pseudocode, block-based coding languages, and text-based coding languages, and will learn some of the most basic functions of each. Students will also be exposed to alternate operating systems and complete some basic computer science tasks on that operating system, particularly command line tasks.

During this course, students will be challenged to solve many problems. Sometimes those problems will have a correct solution; at other times, students will be required to think creatively to solve a problem. At times, students will be put into groups to complete classwork, and will complete work on their own at other times.

This is a one semester course with much material on which to focus. Instead of delving into any one topic heavily, the modus operandi will instead be to give students a basic introduction to each topic, demonstrate some applications of those topics, and inspire students to guide their own deeper learning.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Computer Programming II 4721 1 Level I

The Greensburg Central Catholic Programming II class will continue the programming education with a focus on physical application through the lens of robotics. Students will explore the definitions of robots and compare paradigms of robotics. Students will construct, program, and test several different types of robots, and will be exposed to robots in the manufacturing world, using them to produce personalized items.

Prerequisites: Computer Programming I

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 AP Computer Science Principles 4725 1 Level III

The Greensburg Central Catholic Advanced Placement Computer Science Principles course will examine aspects of computer science, programmatical thought, and device connectivity. This is a one-year course with much material on which to focus. Instead of delving into any one topic heavily, the modus operandi will instead be to give students a basic introduction to each topic, demonstrate some applications of those topics, and inspire students to guide their own deeper learning.

Because this is aligned to the College Board’s AP Computer Science Principles curriculum, it is organized around the five Big Ideas put forward by the College Board: Creative Development, Data, Algorithms and Programming, Computing Systems and Networks, and Impact of Computing. Students will also be expected to use the six Computational Thinking Practices: computational solution design, algorithms and program development, abstraction in program development, code analysis, computing innovations, and responsible computing. Furthermore, being an Advanced Placement course, this course is designed to educate students at a collegiate level. This level of learning is reflected in both the content and in the makeup of the AP exam at the end of the year.

Prerequisites: Computer Programming I

ENGLISH

Grade Level	Course Name	Number	Credits	Weight
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7	English Language Arts 7	1007	0	Level I
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English Language Arts 7 is an all-encompassing course, emphasizing analyses of the following literary genres: short stories, poems, informational texts, novels, and dramatic works. This course also emphasizes the development of students' writing skills. Utilizing varied genres from literature, novels, and informational nonfiction sources, students work to develop their analytical skills. Special emphasis is placed on writing at a higher level using appropriate organization and developing cohesive and meaningful written responses and on refining skills -- prewriting, drafting, editing, and revising -- essential to the writing process. Students write in various genres, including persuasive/argumentative, expository/informative, narrative, and research. Embedded in the curriculum, vocabulary, spelling, and grammar development also continues. Students work both in groups and individually to enhance their teaming and learning experiences.

Grade Level	Course Name	Number	Credits	Weight
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8	English Language Arts 8	1008	0	Level I
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English Language Arts 8 is a comprehensive course, emphasizing analyses of the following genres: short stories, poems, informational texts, novels, and drama. This course also emphasizes the further development of students' writing skills. Utilizing varied genres from literature, novels, and informational nonfiction sources, students work to develop their analytical skills. Special emphasis is placed on writing at a higher level using appropriate organization and developing cohesive and meaningful written responses and on refining skills -- prewriting, drafting, editing, and revising -- essential to the writing process. Students write in various genres, including persuasive/argumentative, expository/informative, narrative, and research. Embedded in the curriculum, vocabulary, spelling, and grammar development also continues. Students work both in groups and individually to enhance their teaming and learning experiences. Writing, language, comprehension, and vocabulary skills continue to be developed in this course.

Grade Level	Course Name	Number	Credits	Weight
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8	Honors English Language Arts 8	1010	0	Level II
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This advanced course is designed for eighth grade students who have excelled in reading comprehension, analysis, and composition in the seventh grade year. This course includes the reading and analysis of a wide variety of texts (novels, short stories, plays, nonfiction, and poems). Students compose various pieces of formal writing (expository, persuasive, narrative, descriptive, and creative). Special emphasis is placed on writing at a higher level using appropriate organization, developing cohesive and meaningful written responses, and refining skills -- prewriting, drafting, editing, and revising -- essential to the writing process. Embedded in the curriculum, vocabulary, spelling, and grammar development also continues. Advanced English Language Arts 8 is intended to foster student advancement in understanding the fundamental elements of literature and to increase those analytical skills necessary both for their ninth grade experience and for their ongoing development through the English program of studies at Greensburg Central Catholic High School.

Prerequisites: Students enrolled in ELA 7: Final quarter grades of 95% or higher for each of the first three quarters

Grade Level	Course Name	Number	Credits	Weight
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9	Foundations of World Literature	1100	1	Level I
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Foundations of World Literature emphasizes the study and analysis of literature, including the novel, short story, drama, poetry, and literary nonfiction. Students will strengthen their ability to write in expository, argumentative, and creative styles while also developing the skills necessary to write research papers. Grammar is reviewed to strengthen and enhance students' English and language arts skills.

Grade Level	Course Name	Number	Credits	Weight
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9	Honors Foundations of World Literature	1102	1	Level II
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Honors Foundations of World Literature is the first in a series of advanced English classes at Greensburg Central Catholic High School. This Honors course is designed for those who excel in reading comprehension, analysis, and composition. The critical analysis of literature, including the novel, short story, drama, poetry, and composition, is an integral component of the course. Students also compose organized and meaningful pieces of formal writing (expository, persuasive, descriptive, and creative essays). Throughout the course, students improve and refine vocabulary and grammar skills to strengthen speaking and writing skills.

Prerequisites:

Students enrolled in Honors ELA 8: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters

Students enrolled in ELA 8: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
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10	World Literature	1200	1	Level I
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This course is designed as a progression from Foundations of World Literature. Critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students compose clear, concise, organized, and effective writing in response to various prompts; analyze various genres of literature for purpose, meaning, and method of construction; communicate effectively in any of a number of different literary forms; improve and refine vocabulary and grammar skills; compare and contrast the effectiveness of various literary forms through analyses of representative works; broaden understanding of the research and writing process from the planning stages to the finished product; and assess how (and explain why) authors employ numerous specific literary techniques.

Grade Level	Course Name	Number	Credits	Weight
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10	Honors World Literature	1202	1	Level II
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A continuation of Honors Foundations of World Literature, this honors course is designed for sophomores who have demonstrated superior language skills. Critical analyses of various forms of literature, expository writing, the MLA college research paper, and the study of vocabulary and organization are integral parts of the course. Students compose clear, concise, organized, and effective formal essays in response to various prompts; analyze various genres of literature (e.g. short story, novel, drama, poem) for purpose, meaning, and method of construction; communicate effectively in any of a number of different literary forms; improve and refine vocabulary and grammar skills; understand and analyze literature from various time periods of human history (e.g. Elizabethan drama, the modern/postmodern novel); compare and contrast the effectiveness of various literary forms through analysis of representative works; broaden understanding of the research and writing process from the planning stages to the finished product; identify how (and explain why) authors employ numerous specific literary techniques. In this course, students engage in all aspects of research writing (gathering information, documenting sources, organizing ideas according to levels of specificity, drafting a manuscript, editing and revising a manuscript, and publishing a final draft of a manuscript) in the production of an MLA research paper.

Prerequisites:

Students enrolled in Honors Foundations of World Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters.

Students enrolled in Foundations of World Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
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11	American Literature	1300	1	Level I
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American Literature is a yearlong course that is a survey of American literature complementing the students' study of American history during the junior year. The course includes selections from the Colonial Period, the Neoclassical Age, nineteenth-century Romanticism, Nationalism, Transcendentalism, Realism, twentieth-century Modernism, and Post Modernism. Special emphasis is placed on the literary history of the United States as the religious, cultural, and political influences are explored through representative selections of prose and poetry. Sundry literary genres that include historical narratives, short stories, essays, themes, poetry, novels, and dramas are read and analyzed. The expression of personal interpretation, criticism, and insight is encouraged in writing as well as through classroom discussion. The course also addresses the need for students to refine and enhance their skills in grammar and SAT vocabulary. Competency and experience in expository, creative, and persuasive writing are requisites for the course; students are introduced to research materials and methods that adhere to the MLA standards of presentation and documentation.

Grade Level	Course Name	Number	Credits	Weight
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11	Honors American Literature	1302	1	Level II
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Honors American Literature is a yearlong course that is a survey of American literature complementing the students' study of American history during the junior year. The course includes selections from the Colonial Period, the Neoclassical Age, nineteenth-century Romanticism, Nationalism, Transcendentalism, Realism, Naturalism, twentieth-century Modernism, and Post Modernism. Special emphasis is placed on the literary history of the United States as the religious, cultural, and political influences are explored through representative selections of prose and poetry. Sundry literary genres that include: historical narratives, short stories, essays, themes, poetry, novels, and dramas are read and analyzed. The expression of personal interpretation, criticism, and insight is encouraged in writing as well as through classroom discussion. The course also addresses the need for students to refine and enhance their skills in grammar and SAT vocabulary. Competency and experience in expository, creative, and persuasive writing are requisites for the course; specific focus is placed on literary research and the composition of the MLA research paper. Materials and methods are presented to assist students' proficiency in the research process.

Prerequisites:

Students enrolled in Honors World Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters.

Students enrolled in World Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
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12	Foundations of Western Literature	1400	1	Level I
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Foundations of Western Literature is a yearlong course that is a survey of Western culture's literary heritage with a special emphasis on the history of British literature. The course includes selections from the Old English and Medieval Periods, the English Renaissance, the Seventeenth and Eighteenth centuries, the Romantic Period, the Victorian Period, and the Modern to Postmodern periods that represent the religious, cultural, and political influences on Great Britain's literary history. The beginning of the school year addresses students' needs as they engage in the college admissions process with a focus on writing the college essay. Throughout the course, students analyze various genres of Western literature for purpose, meaning, and method of construction; communicate effectively in sundry literary forms; improve and refine vocabulary and grammar skills; compare and contrast the effectiveness of various literary forms; assess how authors employ numerous specific literary techniques in terms of purpose and effectiveness. In preparation for the expectations of writing on the collegiate level, students engage in all aspects of the research writing process that include proposing a working thesis, gathering information, documenting sources, organizing ideas, drafting a manuscript, and editing and revising a manuscript to bring it to its final presentation.

Grade Level	Course Name	Number	Credits	Weight
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12	Honors Foundations of Western Literature	1402	1	Level II
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Honors Foundations of Western Literature is designed as one culmination of the high school honors English curricula for students who have demonstrated advanced literary and composition skills. Rigorous critical analyses of short stories, novels, drama, poetry, and literary nonfiction are integral components of the course. Students consistently compose clear, concise, organized, and effective writing in response to various prompts; analyze various genres of literature for purpose, meaning, and method of construction; communicate effectively in any of a number of different literary forms; improve and refine vocabulary and grammar skills; compare and contrast the effectiveness of various literary forms through analyses of representative works; broaden understanding of the research and writing process from the planning stages to the finished product; and assess how (and explain why) authors employ numerous specific literary techniques. In this course, students engage in all aspects of research writing (gathering information, documenting sources, organizing ideas according to levels of specificity, drafting a manuscript, editing and revising a manuscript, and publishing a final draft of a manuscript) in the production of an MLA research paper. Upon completion of this course, students will possess the levels of mastery necessary for success at the undergraduate college level.

Prerequisites:

Students enrolled in Honors American Literature: Final quarter grades of 87% or higher for each of the first three quarters OR a mean percentage of 90% or higher for the first three quarters

Students enrolled in American Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
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12 AP English Literature 1405 1 Level III

AP Literature and Composition is a rigorous course intended to provide students with an academic experience parallel to that of a college-level literature course. This course emphasizes the development of skills in careful reading and critical analysis of literature from a variety of genres and periods. Writing is an integral part of the AP English Literature and Composition course. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays as well as a research paper. This course is designed to provide students with an academic experience parallel to that of a college-level literature course. Students demonstrate their achievement by taking the Advanced Placement Exam administered by the Educational Testing Service for the College Board in May of each school year.

Prerequisites:

Students enrolled in Honors American Literature: Final quarter grades of 90% or higher for each of the first three quarters OR a mean percentage of 93% or higher for the first three quarters.

Students enrolled in American Literature: Final quarter grades of 95% or higher for each of the first three quarters.

Grade Level	Course Name	Number	Credits	Weight
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11,12 Creative Writing 1510 .5 Level I

This course is designed for students who wish to develop their creative writing talents. Students learn to express themselves creatively through a study of and creative composition of essay, short story, poetry, and play writing.

Grade Level	Course Name	Number	Credits	Weight
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11,12 CHS Composition and Rhetoric 1850 .5 Level II

This is a college in high school honors English elective that focuses on the refinement and mastery of specific writing skills. Students consistently review and apply grammar skills in the process of crafting approximately one essay per week. With the facilitation of the instructor, students work independently and with other students to critique, edit (content and copyediting), and draft original manuscripts. Multiple ongoing projects and in-class presentations provide students with additional methods of expression.

Grade Level	Course Name	Number	Credits	Weight
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11,12 Public Speaking 1860 .5 Level I

This course is designed for students who wish to develop and refine oral presentation skills. Students actively examine the principles of communication and how to build a speech. Researching, organizing, revising, and executing speeches are essential components of Public Speaking. The course features student engagement in a variety of genres of speeches.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Television Production	0620	.5	Level 1
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Television Productions introduces students to the basic elements of video capturing, editing, and studio productions. Theory and practice will be taught in a practical application for those students who would like to pursue knowledge of video production. This course requires students to participate in all aspects of filming and editing including using a video camera and acting in self-produced films. Students will participate in filming and distributing video announcements across the school.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Understanding Shakespeare	1600	.5	Level I
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This semester-long class is designed for sophomores, juniors, and seniors who are interested in an extended study of the life and works of William Shakespeare. Students in this class will explore his comedies, histories, and tragedies with an emphasis on his compelling characters, timeless plots, and universal themes. In addition to the close reading and analysis of his dramas, students will view and analyze various film adaptations, both early and modern, comparing the films to the original text and evaluating their effectiveness. Historical context and Shakespeare's use of language will be discussed to better understand his famous works and his influence on literature and the English language.

FINE ARTS

Grade Level	Course Name	Number	Credits	Weight
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7	7 th Grade Art	2850	0	Level I
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The Diocese of Greensburg seventh grade art curriculum encourages middle school students to embrace the influences of the creative world around them. Students will, based on the NCCAS Visual Standards, visualize concepts, express themselves, internalize standards, and work toward establishing their artistic identity. Students will utilize a variety of art media to create two- and three-dimensional art works while building an appreciation for, and drawing inspiration from, many cultures and the Catholic faith.

Grade Level	Course Name	Number	Credits	Weight
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8	8 th Grade Art	2950	0	Level I
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The Diocese of Greensburg eighth grade art curriculum builds upon knowledge from seventh grade and works on more challenging projects. Students embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, visualize concepts, express themselves, internalize standards, and work toward establishing their artistic identity. Students utilize a variety of art media to create two- and three-dimensional art works while building an appreciation for, and drawing inspiration from, many cultures and the Catholic faith.

Grade Level	Course Name	Number	Credits	Weight
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9	Freshman Art	2100	.5	Level I
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The Diocese of Greensburg Art Curriculum is a semester-long art class encourages high school freshman to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will visualize concepts, express themselves, internalize standards, and work toward establishing their artistic identity. Students will utilize a variety of art media to create two- and three-dimensional art works while building an appreciation for, and drawing inspiration from, many cultures and the catholic faith.

Grade Level	Course Name	Number	Credits	Weight
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10,11	Art Appreciation	2101	.5	Level I
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Greensburg Central Catholic's Art Appreciation is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, survey the history of art by exploring many styles and periods of art from prehistoric to modern. Students create projects align with art history study and art by genre. Students work in groups to critique and analyze art using the elements and principles of design, historical knowledge, and religious / political context. Students will reproduce one prominent work of art throughout the semester.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Printmaking and Creative Design 2170 .5 Level I

Greensburg Central Catholic’s Printmaking and Creative Design is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, adapt all projects to the basics of 2-D design. Students will use printmaking to reinforce the elements and principles of design to accomplish good design. Students explore and focus primarily on the basics of the elements and principles of design. Students build on their previous knowledge of art to explore their own creativity using the foundation of “good” art tactics. Students prioritize process vs. product and the experience of creating and problem solving.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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11,12 CHS Graphic Design 0615 .5 Level II

Greensburg Central Catholic’s Graphic Design is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, use the elements and principles of design to create visually appealing designs in media. Students learn to apply smart design principles to multimedia products such as dynamic graphics, animations, Web sites, software authorizing tools, digital photograph and digital video.

Materials Fee - \$10

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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11,12 Graphic Design II 0616 .5 Level I

Greensburg Central Catholic’s Graphic Design II is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students based on the NCCAS Visual Standards, use previous knowledge of graphic design-to-design upper level projects all leading to the development of a webpage. Students use good graphic techniques to design exemplar projects and design elements to accomplish a successful website.

Materials Fee - \$10

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Ceramics 2182 .5 Level I

Greensburg Central Catholic’s Ceramics is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will create compositions throughout the semester all consisting of the main media of clay, hand built and thrown. Students use previous knowledge of design elements and principles to create exemplar pieces of art.

Materials Fee - \$25

Grade Level	Course Name	Number	Credits	Weight
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11,12 Ceramics II 2183 .5 Level I

Greensburg Central Catholic’s Ceramics II is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, will build on the knowledge and skills previously acquired in Ceramics 1 to gain more experience in 3-dimensional art making via the clay medium. New methods and skills used to build on prior knowledge include, subtractive carving, draping/slumping methods, abstract sculpture, and throwing on the pottery wheel. Students will be expected to learn proper responsibilities for helping and maintaining the ceramic studio.

Materials Fee - \$25

Grade Level	Course Name	Number	Credits	Weight
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11,12 Digital Photography 2301 .5 Level I

Greensburg Central Catholic’s Digital Photography is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, use artistic qualities of photography to choose subject matter to shoot. Students will use found photos and teacher selected photos to critique “good” photography using the elements and principles of design. Students shoot landscapes, found objects, portraits, and abstract elements to create and final portfolio of photography. Program used for this course will be Adobe Photoshop and Lightroom.

Materials Fee - \$10

Grade Level	Course Name	Number	Credits	Weight
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11,12 Drawing 2171 .5 Level I

Greensburg Central Catholic’s Drawing is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, who enjoy drawing will improve skills, for beginner or accomplished student. Student begins with basic drawing skills and explore a variety of drawing mediums. Students cover landscape, portrait, still life, and abstract drawing. Students learn to “see” more artistically and become more observant through practice.

Materials Fee - \$15

Grade Level	Course Name	Number	Credits	Weight
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11,12 Painting 2172 .5 Level I

Greensburg Central Catholic’s Painting is a semester-long art class encourages high school students to embrace the influences of the creative world around them. Students, based on the NCCAS Visual Standards, who enjoy painting will improve skills, for beginner or accomplished student. Student begins with basic painting skills and explore a variety of painting mediums. Students cover landscape, portrait, still life, and abstract painting. Students learn to “see” more artistically and become more observant through practice.

Materials Fee - \$20

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Fiber Arts 2102 .5 Level I

Greensburg Central Catholic’s Fiber Arts is designed to introduce the student to the materials and techniques of weaving, fabric collage, cotton batik, and other experimental fiber processes. Students explore fiber art as a design form.

Grade Level	Course Name	Number	Credits	Weight
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11,12 AP Art and Design 2193 1 Level III

Greensburg Central Catholic’s AP Studio is a year-long art class encourages high school students to embrace the influences of the creative world around them. The AP Studio Art Class is designed in alignment with the College Boards curriculum of a portfolio development in studio. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Program consists of three portfolios – 2-D Design, 3-D Design, and Drawing – corresponding to the most common college foundation.

Prerequisite(s): Must obtain a full credit of Visual Art

Materials Fee - \$50 Drawing and 3-D, \$20 2-D Design

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 AP Art History 2192 1 Level III

Greensburg Central Catholic’s AP Art History is a year-long art class encourages high school students to embrace the influences of the creative world around them. The AP Art History Class is designed in alignment with the College Boards curriculum of a survey in Art History. AP Art History is designed to be the equivalent of an introductory college-level art history survey course. Students in the AP course should be engaged in visual and contextual analysis and critical thinking, learning to understand art within its historical and cultural contexts. An accomplished AP Art History student is expected to be familiar with a broad overview of art history.

Prerequisite(s): Art Appreciation

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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7 7th Grade Music 2860 0 Level I

A seventh-grade student in the Diocese of Greensburg will continue to have opportunities to create and respond to music through movement, listening, instrumental experiences and participation in school liturgies. Students will expand their music vocabulary and broaden their understanding of cultural diversity. A deeper understanding of music notation and pitched instruments will be experienced. Connections are made between music and the arts and other academic areas.

Grade Level	Course Name	Number	Credits	Weight
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8 8th Grade Music 2960 0 Level I

An eighth-grade student in the Diocese of Greensburg will continue to have opportunities to create and respond to music through movement, listening, instrumental experiences and participation in school liturgies. Students will expand their music vocabulary and broaden their understanding of cultural diversity. A deeper understanding of music notation and pitched instruments will be experienced. Connections are made between music and the arts and other academic areas.

Grade Level	Course Name	Number	Credits	Weight
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9 Introduction to Music 2653 .5 Level I

This semester course offers a ninth-grade student in the Diocese of Greensburg the opportunity to create and respond to music through movement, listening, and instrumental experiences. Students will expand their music vocabulary and broaden their understanding of cultural diversity. Students reflect on the impact of social influences and historical events in music. Connections are made between visual and performing arts and other academic areas.

Grade Level	Course Name	Number	Credits	Weight
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7,8,9,10,11,12 Band 2500 1 Level I

Instrumental Music provides the opportunity for concert band players to expand their musical abilities and perform a variety of music and to develop technical and musical skills through preparation and performance of quality literature. Students will explore a variety of music styles including classical, marches, jazz, Broadway and popular music. Since rehearsals and performances outside of class are limited, it is possible for students to participate in Instrumental Music and be involved in other school activities.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12 Honors Band 2550 1 Level II

Students electing the honors option must complete additional projects per grading period. These projects could include additional study in music theory, music history, research or performance. Students electing this course must be prepared to achieve at the very highest level.

Grade Level	Course Name	Number	Credits	Weight
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7,8 7th-8th Chorus 2600 0 Level I

The primary purpose of this ensemble is to provide an opportunity for Junior High School singers to develop their vocal and musical skills. Students will explore appropriate choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary periods. They will develop basic vocal technique and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12 Chorus 2654 1 Level I

The primary purpose of this ensemble is to provide an opportunity for any interested student to develop their vocal and musical skills. Students will explore choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary genres. They will develop vocal technique and music literacy and learn basic sight-reading skills.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12 Chamber Choir 2655 1 Level II

The primary purpose of this ensemble is to provide an opportunity for serious choral singers to develop their musical skills. Students will explore challenging choral literature from the Renaissance, Classical, Romantic, Musical Theatre and Contemporary genres. They will develop music literacy and learn advanced sight-reading skills.

Prerequisite(s): Admission By Audition only

Grade Level	Course Name	Number	Credits	Weight
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7,8,9,10,11,12 String Ensemble 2510 1 Level I

The strings class is for students to develop foundational knowledge and technical skills necessary in the performance of a stringed instrument. Major course objectives are:

- Develop an awareness of phrasing, dynamics, intonation, and balance
- Interpret conducting gestures and react accordingly
- Further develop aural understanding and pitch manipulation
- Properly perform major scales with appropriate range for instrument
- Perform appropriate grade level music,
- Demonstrate proper rehearsal, concert, and audience etiquette
- Initiate study in advanced string instrument technique (i.e. vibrato, shifting, etc)
- Recognize need for individual practice time outside of class
- Develop pride in accomplishments and build self-esteem

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Guitar 2715 .5 Level I

Students will learn basic rhythmic and tonal skills through a popular medium. Through playing the guitar, students will learn basic music reading, guitar technique as well as develop their rhythmic and tonal abilities. This course will give the students the necessary skills for a lifetime of musical involvement.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 World Drumming 2716 .5 Level I

World Drumming is a hand drumming course that explores the basics of African, Latin and Caribbean drumming. Students will perform on hand drums auxiliary instruments of varying styles and ethnic backgrounds. Students will gain the knowledge necessary to perform multicultural music as well as create their own original works and gain an appreciation of cultural diversity through the study of music.

Grade Level	Course Name	Number	Credits	Weight
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11,12 CHS Music Theory 2720 .5 Level II

Students will have the opportunity to apply music theory fundamentals to arranging existing music for different contexts as well as original compositions. Areas of music theory to be covered include melody, harmony, dictation, rhythm, articulation, dynamics, texture and form as well as orchestration and arranging for instruments and voices.

Prerequisite: Teacher approval

CHS – Saint Vincent

MATH

Grade Level	Course Name	Number	Credits	Weight
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7	Math 7	4005	0	Level I
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The Diocese of Greensburg Math 7 curriculum is designed to focus on rational numbers, their operations and their algebraic representations. This course will reinforce the use of mathematical operations with fractions, decimals and integers. This course will enable students to apply these skills to problem solving situations. Math 7 enables the student to practice both skill based problems, word problems, and multi-step problems. Math 7 provides the foundation that prepares the student to take Pre-Algebra.

Prerequisite(s): 6th grade math

Grade Level	Course Name	Number	Credits	Weight
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7,8	Pre-Algebra	4007	0	Level I
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The Diocese of Greensburg Pre-Algebra curriculum is designed to introduce students to algebraic concepts. This course will reinforce the use of mathematical operations with fractions, decimals and integers. Pre-Algebra will also introduce students to the fundamental concepts of algebra. This course will help the student to apply these skills to a variety of problems and practical situations.

Prerequisite(s): 6th grade math, teacher recommendation and qualifying score on the GCC placement test. Or Math 7 grade 75% or better in 7th grade.

Grade Level	Course Name	Number	Credits	Weight
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8,9	Algebra I	4100	1	Level I
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The Diocese of Greensburg Algebra I curriculum is designed to have students build on the previous concepts of variables, equations, and problem-solving skills in order to succeed in future mathematics courses. Topics include: Operations with Integers, Factoring Polynomials, Ratios and Proportions, Linear Equations and Inequalities, Functions, Polynomials, Algebraic Fractions, Exponents, Nonlinear Equations, Coordinate Plane, Radicals, and Area/Perimeter formulas. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Pre-requisite: Pre-Algebra grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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8,9	Honors Algebra I	4120	1	Level II
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The Diocese of Greensburg Honors Algebra I curriculum is designed to have students build on the previous concepts of variables, equations and problem-solving skills in order to succeed in all future advanced courses. Topics include Operations with Integers, Factoring Polynomials, Ratios and Proportions, Linear Equations and Inequalities, Functions, Polynomials, Algebraic Fractions, Exponents, Nonlinear Equations, Coordinate Plane, Radicals, and Area/Perimeter formulas. This course is aligned to the NCTM and State Standards in order to prepare the students for college.

Prerequisite: Pre-Algebra grade of 95%, teacher recommendation and a score of 92% or better on the GCC math placement exam

Grade Level	Course Name	Number	Credits	Weight
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9,10	Geometry	4200	1	Level I
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The Diocese of Greensburg Geometry curriculum explores the intricacies of geometry beginning with the foundations of Geometry: points, lines, and planes. Students then move into logic-based proofs going through and using properties of shapes in real life instances. Students learn about logic through inductive and deductive reasoning and geometric proofs. Other topics include parallel and perpendicular lines, congruent triangles, relationships in triangles, polygons, similarity, right triangle trigonometry, area, surface area, volume, transformations, circles, and constructions. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Algebra I grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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9,10	Honors Geometry	4220	1	Level II
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The Diocese of Greensburg Honors Geometry curriculum explores the intricacies of geometry beginning with the foundations of Geometry: points, lines, and planes. Students will learn about logic through reasoning and geometric proofs. Other topics include parallel and perpendicular lines, congruent triangles, relationships in triangles, polygons, similarity, right triangle trigonometry, area, surface area, volume, transformations, circles, and constructions. The course is aligned to the NCTM and State Standards in order to prepare the students for college and career readiness.

Prerequisite: Honors Algebra I grade of 87% or Algebra I grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10,11 Algebra II 4300 1 Level I

The Diocese of Greensburg Algebra II curriculum is aligned to the NCTM and State Standards. Algebra II will build upon the concepts taught in Algebra I. The course develops advanced algebra skills. Topics include, but are not limited to, matrices, solutions of equations/inequalities, quadratics, conic sections, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, sequences and series, probability, statistics and trigonometry. The content of this course is important for students' success in mathematics and to prepare the students for college and career readiness. Students will reason abstractly and quantitatively, will construct viable arguments, critique reasoning of others, and will use the appropriate tools of mathematics strategically.

Prerequisite: Geometry grade of 75% or better

Grade Level	Course Name	Number	Credits	Weight
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10,11 Honors Algebra II 4320 1 Level II

The Diocese of Greensburg Algebra II curriculum is aligned to the NCTM and State Standards. Algebra II will build upon the concepts taught in Algebra I. The course develops advanced algebra skills. Topics include, but are not limited to, matrices, solutions of equations/inequalities, quadratics, conic sections, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, sequences and series, probability, statistics and trigonometry. The content of this course is important for students' success in mathematics and to prepare the students for college and career readiness. Students will reason abstractly and quantitatively, will construct viable arguments, critique reasoning of others, and will use the appropriate tools of mathematics strategically.

Prerequisite: Honors Geometry grade of 87% or Geometry grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10,11 Honors Trigonometry/Pre-Calculus 4600 1 Level II

The Diocese of Greensburg Honors Trigonometry/Pre-Calculus course is an accelerated presentation of the foundations necessary for a mature course in calculus. Topics covered are the algebra of real numbers, analytic geometry, trigonometry, and the study of elementary functions (including quadratic, polynomial, inverse, exponential and logarithmic functions). Concepts of the limit of a function and derivatives will be briefly presented in this course.

Prerequisite: Honors Algebra II grade of 87% or Algebra II grade of 95% and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10,11	SAT Math Prep	4730	.5	Level I
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This semester-long class is designed for sophomores and juniors who would like the opportunity to improve their scores on the math portion of the SAT. Students will review math concepts, learn about the structure of the exam, and practice various test taking strategies in order to maximize their potential score on this test and prepare them for college.

Prerequisite: Successful completion of Algebra II.

Grade Level	Course Name	Number	Credits	Weight
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11,12	College Algebra	4340	.5	Level I
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The Diocese of Greensburg College Algebra course is a continuation of the concepts learned in Modern Algebra II. Topics include the complex number system, sets and set operations, matrix algebra, and the examination of polynomial, rational, exponential, and logarithmic functions.

Prerequisite: Algebra II grade of 85% or better.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Trigonometry	4500	.5	Level I
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The Diocese of Greensburg Trigonometry course is a one semester course that studies the relationship between the measures of the angles and the lengths of the sides of right and oblique triangles. The course reinforces many algebraic skills and extends the study of geometry to include angular rotation, coterminal and related angles, the ratios of the six trigonometry functions, radian measurement, Pythagorean Theorem, Law of Sines and Law of Cosines.

Prerequisite: Algebra II grade of 75% or better.

Grade Level	Course Name	Number	Credits	Weight
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12	Introduction to Calculus	4610	1	Level I
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The Diocese of Greensburg Introduction to Calculus course is intended to introduce students who have successfully completed Trigonometry and College Algebra to Calculus. Topics included in this course would be: limits, continuity, differentiation, and integration, applications of derivatives and applications of integration.

Prerequisite: Trigonometry and College Algebra grade of 85% or better and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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11,12 CHS Pitt Calculus 4620 1 Level III

The aim of the CHS Pitt Calculus course is to present an enriched course in differential and integral calculus. Included in the course are sections on limits, continuity, differentiation, differentials, Mean Value Theorem, applications of derivatives, integration the definite integral, partial differentiation, and applications of integration.

Prerequisite: Honors Trigonometry/Pre-Calculus grade of 87% or better, qualifying score on ALEKS Test and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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12 Calculus II 4630 1 Level II

The Diocese of Greensburg Calculus II course is designed to continue and enhance concepts learned in Calculus I. Included in this course are sections on Integration, Improper Integrals, Area between Curves, Application of Integrals, Parametric Curves, Differential Equations, Series and Sequences.

Prerequisite: CHS Pitt Calculus grade of 87% or better and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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11,12 Probability and Statistics 4710 .5 Level I

The Diocese of Greensburg Probability and Statistics course is a one semester course that uses a high level of mathematical precision to explore descriptive statistics, statistical inference, probability distributions, correlation and regression. Topics include measures of location (mean, median, and mode), measures of variation (range and standard deviation), and probability functions.

Prerequisite: Algebra II (may also be taken concurrently with the second semester of Algebra II).

Grade Level	Course Name	Number	Credits	Weight
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11,12 AP Statistics 4715 1 Level III

The Diocese of Greensburg's AP Statistics is a two-semester elective. The course is centered on the concepts of data exploration, sampling and experimentation, probability and simulation, and statistical inference. Students explore both one- and two-variable data; participate in data collection; examine probability, random variables, and probability distributions; use sampling distributions; and engage in inferential reasoning with categorical (proportions and chi-square) and quantitative (means and slopes) data. Students develop and execute original research with an emphasis on data collection, analysis, interpretation, and presentation. Completion of this course is equivalent to completion of an introductory statistics course at the undergraduate level.

PHYSICAL EDUCATION/HEALTH

Grade Level	Course Name	Number	Credits	Weight
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10	Health	5153	.5	Level I
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The Diocese of Greensburg health curriculum provides students with education in the areas of growth and development, physical health, nutrition, physical activity, first aid, safety and prevention, social health and relationships, consumer health, and substance abuse. Students will learn, evaluate, determine, analyze, and combine different health topics. Students will research health topics, discuss them with peers, and debate their merits. Students will apply health promotion concepts and skills to support a healthy, active lifestyle. Students will apply information about alcohol, tobacco, drugs, and medicines to make decisions that support a healthy, active lifestyle. Students will apply concepts of physical, social, and emotional aspects of human relationships to support a healthy, active lifestyle. Students will apply health-related and skill-related fitness concepts and skills to develop and maintain a healthy, active lifestyle. This course implements the Operation Prevention Program, is aligned to the PA Academic Standards for Health, Safety and Physical Education, 10th grade, and is in line with the teachings and values of the Roman Catholic Church.

Grade Level	Course Name	Number	Credits	Weight
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7,8	Physical Education-Boys	5007	0	Level 1
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The Diocese of Greensburg seventh and eighth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in seventh and eighth grade will be using skills learned to this point in game situations focusing on strategy and team play. The seventh and eighth grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Number	Credits	Weight
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7,8	Physical Education-Girls	5207	0	Level 1
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The Diocese of Greensburg seventh and eighth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in seventh and eighth grade will be using skills learned to this point in game situations focusing on strategy and team play. The seventh and eighth grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Number	Credits	Weight
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9	Physical Education-Boys	5009	.5	Level 1
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The Diocese of Greensburg ninth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in ninth grade will be using skills learned to this point in game situations focusing on strategy and team play. The ninth grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Number	Credits	Weight
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9	Physical Education-Girls	5209	.5	Level 1
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The Diocese of Greensburg ninth grade physical education curriculum is focused on meeting the state standards through lessons and activities that concentrate on physical fitness, cooperative games, and individual and team sports. Students in ninth grade will be using skills learned to this point in game situations focusing on strategy and team play. The ninth grade students will focus on these skills emphasizing interpersonal relationships with peers that focus on God and gospel values.

Grade Level	Course Name	Number	Credits	Weight
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10-12	Physical Education Elective	5012	.5	Level 1
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This elective focuses on physical fitness, cooperative games, and individual and team sports. Students are expected to change into gym clothes on a daily basis.

RELIGION

Grade Level	Course Name	Number	Credits	Weight
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7	Religion 7	6007	0	Level I
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Students in Grade 7 are invited to review and recommit their journey towards God's kingdom, in the context of their relationship with Jesus Christ. Jesus is explored through the Scriptures and Church Teaching. Units of Study include: *Who is Jesus Christ?*, *Creed*, *Catholic Life*, *Pure of Heart*, *Confirmation*, *Church's Liturgical Year*, *Catholic Social Teaching*.

Grade Level	Course Name	Number	Credits	Weight
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8	Religion 8	6008	0	Level I
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Students in Grade 8 are invited to deepen their understanding and participation in the Church as the visible, living sign of God's kingdom in history. The issues and questions of a young teen's universe are explored from the perspective of the Church's collective experience, wisdom, and mission.

Grade Level	Course Name	Number	Credits	Weight
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9	Revelation of Jesus Christ in Scripture	6101	.5	Level I
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The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to love know and love Jesus Christ more personally.

Grade Level	Course Name	Number	Credits	Weight
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9	Who is Jesus Christ?	6102	.5	Level I
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The purpose of this course is to introduce students to the mystery of Jesus Christ, the Living Word of God, the Second Person of the Blessed trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

Grade Level	Course Name	Number	Credits	Weight
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10 The Mission of Jesus Christ 6201 .5 Level I

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Grade Level	Course Name	Number	Credits	Weight
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10 Jesus Christ's Mission Continues 6202 .5 Level I

The purpose of this course is to help the students understand that in and through the church they encounter the living Jesus Christ. They will be introduced to the fact that the church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Grade Level	Course Name	Number	Credits	Weight
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11 Sacraments as Privileged Encounters 6301 .5 Level I

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

Grade Level	Course Name	Number	Credits	Weight
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11 Life in Jesus Christ 6302 .5 Level I

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Grade Level	Course Name	Number	Credits	Weight
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12 Living as a Disciple of Jesus Christ 6402 .5 Level I

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

Grade Level	Course Name	Number	Credits	Weight
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12 Responding to the Call of Jesus Christ 6401 .5 Level I

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Grade Level	Course Name	Number	Credits	Weight
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12 CHS World Religions 6404 .5 Level II

This one (1) semester Honors Course is available to seniors only and explores the major religions of the world: Christianity, Islam, Judaism, Hinduism, and Buddhism. The purpose of this course is to examine the origins of religion to better define and describe it as a human phenomenon. These examinations and explorations will deepen the student's understanding of the profound influence which religion has demonstrated in shaping human culture and expressing human needs. A basic understanding of the five major world religions is developed through the lens of creed, code, and ceremony. Students may earn college credit through Seton Hill University.

SCIENCE

Grade Level	Course Name	Number	Credits	Weight
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7	Science 7	7007	0	Level I
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This Diocese of Greensburg seventh grade life science course will continue to build upon the disciplinary core ideas and science and engineering practices. The Next Generation Science Standards based curriculum, covers units on Cells to Organisms, Cell Processes and Reproduction, Heredity, Interactions within Ecosystems, and Biological Unity and Diversity. Students explore structural and functional development and growth in cells and organisms, cell processes and the inheritance and variations of traits. Finally, students investigate interdependent relationships in ecosystems and adaptations and biodiversity within populations. Bioethical issues are examined with a Catholic world view.

Prerequisite: 6th Grade Science

Grade Level	Course Name	Number	Credits	Weight
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8	Science 8	7008	0	Level I
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards. Students learn about matter and its interactions, motion and stability, electricity and magnetism and energy and waves. During this course, students will be able to develop and use models, plan and conduct investigations, analyze and interpret data, use mathematical and computational thinking, and construct explanations to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several engineering practices including design and evaluation. Students will be encouraged to master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and classroom discussion. This course will help students achieve competency in standardized testing, place them on a strong, college-bound track, and empower them with a Catholic world view.

Prerequisite: 7th Grade Science

Grade Level	Course Name	Number	Credits	Weight
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8 Honors Science 8 7020 0 Level I

The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic worldview. The content units consist of matter and its interactions, motion and stability, energy, electricity, and waves. Emphasis will be placed on the study of mathematical concepts associated with these concepts. Students will be able to develop and use models, plan and conduct investigations, analyze and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students will have hands-on laboratory opportunities to enhance the Physical science curriculum during which, they are expected to demonstrate understanding of several engineering practices including design and evaluation.

Prerequisites: 95% or greater in all quarters of 7 Science, teacher recommendation and 93% in all quarters of Pre-Algebra

Grade Level	Course Name	Number	Credits	Weight
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9 Biology 7100 1 Level I

This course emphasizes the unifying concepts between all areas of biology. Biochemical, cellular, genetic, evolutionary, and environmental concepts are presented as the students survey all domains of organisms. Lab experiences challenge the student and demand the development of extensive microscope skills, dissecting skills, observational skills, and interpretative skills. The lab work allows students to further their knowledge of particular topics already discussed and lab work also students to explore new topics. Concepts learned in biology are connected to real world applications and students analyze the Catholic viewpoint concerning various bioethical dilemmas.

Prerequisite: 8th Grade Science

Grade Level	Course Name	Number	Credits	Weight
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9 Honors Biology 7120 1 Level II

The students in Honors Biology complete a course in biology emphasizing the unifying concepts between all areas of biology. Cellular, biochemical, genetic, evolutionary and environmental concepts are presented as the students survey all domains of organisms. The Honors Biology course covers the same units as Biology, but in a more comprehensive manner and at a faster pace. Lab experiences challenge the student and demand the development of extensive microscope skills, dissecting skills, observational skills, and interpretative skills. The lab work allows the student to further his/her knowledge of particular topics already discussed in class or a topic new to the student. Concepts learned in honors biology are connected to real world applications and students analyze the Catholic viewpoint concerning the bioethical dilemmas facing the citizens of the world today.

Prerequisites: 90% in all quarters of Honors Science 8 or 93% in all quarters of Science 8, teacher recommendation, English Placement Test score of 75% or greater.

Grade Level	Course Name	Number	Credits	Weight
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10,11	Chemistry	7210	1	Level I
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic world view. The content units consist of structure of atoms, electron behaviors, atomic interactions, chemical reactions, stoichiometry, particle arrangement and behaviors, and ion interactions. Students will be able to develop and use models, plan and conduct investigations, analyze and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation. The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, concept writing and substantive classroom discussion.

Prerequisites: Biology, concurrent with Geometry or better, and teacher recommendation

Grade Level	Course Name	Number	Credits	Weight
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10	Honors Chemistry	7220	1	Level II
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The overall objective of this course is to provide content aligned to the Next Generation Science Standards that prepares students for their upcoming science curriculum concerning physical science, to achieve competency in standardized testing, to place them on a strong, college-bound track, and to empower them with a Catholic world view. The Honors Chemistry course covers the same units as Chemistry, but in a more comprehensive manner and at a faster pace. The mastery of the Honors Chemistry content requires integration, application, and mastery of other curricula areas including mathematics and language arts. Many algebraic concepts, particularly in one-variable equation manipulation, are utilized throughout the chemistry units. Effective reading and writing strategies are required for success in this course. The content units consist of structure of atoms, electron behaviors, atomic interactions, chemical reactions, stoichiometry, particle arrangement and behaviors, and ion interactions.

Students will be able to develop and use models, plan and conduct investigations, analyze and interpret data, use mathematical and computational thinking, and construct explanations; and to use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several of engineering practices including design and evaluation.

The instructional approach of the course is one of constructivist inquiry where students' master key concepts and skills through the pursuit of essential questions using explorative activities, experimentation, computations, concept writing and substantive classroom discussion.

Prerequisites: 90% in all quarters of Honors Biology or 93% in all quarters of Biology, 93% or higher in all quarters of Algebra I, Concurrent course in Algebra II, Math Placement Test score of 75% or higher.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Physics	7310	1	Level I
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This class is intended for those students not planning to pursue study in a science, technology, engineering or math, (STEM) field in college. While less mathematically rigorous than either CHS Physics or CHS Pitt Physics, this course is well aligned to the Next Generation Science Standards (NGSS) in physics. As a minimum, students interested in taking the course should have taken and passed Algebra I. It is preferred that a student have taken or is taking concurrently Algebra II. Math concepts/skills developed in Algebra I that are employed will be reviewed to a sufficient level in class as needed. The course concentrates on conceptual development and provides an enriching laboratory experience. The class explores a broad array of concepts including: Newtonian mechanics, work, energy, power, electrostatics and elementary resistive circuits. Modern advances in solid state electronics, magnetism and quantum mechanics are also investigated.

Prerequisites: 80% or higher in Algebra I. Passing grade or concurrent course in Algebra II, or Honors Geometry [preferred].

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Physics	7300	1	Level II
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This class will challenge students to apply mathematical principles to explain physical phenomena. CHS Physics is a trigonometry/algebra based, introductory, college-level physics course aligned with the AP Physics-1 & 2 curriculum. This course is designed for students wishing to pursue a college degree in the biological (including medicine), social, behavior sciences, or law. It is strongly recommended that the student have taken or is taking concurrently trigonometry, although all trigonometry that is employed will be developed to a sufficient level in this class as needed. The course focuses on a broad array of concepts including: Newtonian mechanics, work, energy, power, linear momentum, fluid dynamics, thermodynamics, waves, electromagnetic energy, optics, as well as solid state and quantum theory. The concepts investigated are reinforced through laboratory work aimed at developing the student's problem solving, observational, and interpretive skills.

Prerequisites: 85% or higher in Algebra II and passing grade or concurrent registration in Honors Trigonometry & Pre-Calculus.

CHS – Saint Vincent

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Pitt Physics	7320	1	Level III
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This class will focus on physical concepts and how they fit together to provide a coherent description of physical phenomena. The survey of topics encountered in this course is purposefully aligned to the mechanics portion of the AP Physics-C curriculum, or equivalently to a first semester, introductory-level college physics course. This course is especially appropriate for students planning to specialize or major in physical science or engineering. Emphasis is on the nature and proper application of physical laws within a calculus framework, as well as on the development of problem solving and laboratory skills. It is required that the student have taken and successfully completed (grade > 85%) trigonometry and have completed or is concurrently enrolled in calculus. All mathematical concepts that are necessary for students to be successful will be reviewed to a sufficient level in class. The course concentrates on the study of mechanics including: motion; force; energy; power; momentum; gravitation; simple harmonic motion; thermodynamics; rigid-body dynamics; kinetic theory of gases; mechanical waves and sound. CHS Pitt Physics is accredited through the University of Pittsburgh as a College in High School (CHS) course. The content is equivalent to that of AP-Physics C Mechanics.

Prerequisites: Completion of Honors Trigonometry & Pre-Calc with a grade of >90% and passing grade or concurrent enrollment in Calculus I or CHS Pitt Calculus [preferred].

CHS – University of Pittsburgh.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Environmental Science	7400	1	Level I
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This class is intended for those students not planning to pursue a science or engineering course of study in college. The student will demonstrate the ability to use scientific skills necessary to identify and analyze environmental issues, engaging with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The students will engage in various environmentally focused projects: building an air conditioning unit, water filtration system, model rocket and solar cooker. In addition, the course offers numerous lab activities to stimulate interest in environmental issues.

Prerequisites: 85% or higher in Algebra I and grade of 80% or higher in eighth grade science.

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Anatomy and Physiology	7500	1	Level II
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CHS Anatomy and Physiology is designed for the students that wish to learn about their body or develop an understanding of the complexity of the human body or for the students that wish to explore an application toward a future health care related field. Introductory concepts will be taught at the beginning of the year and then each system of the human body will be explored throughout the rest of the year. Lab experiences will be incorporated with each topic and most body systems. Organ dissections will be performed where applicable and the year culminates in a fetal pig dissection. Students will have a double period for lab once in the five-day schedule cycle.

Students should have taken biology and chemistry prior to selecting this elective.

Since this class is a College in High School course and if desired, a student could earn 4 college credits, it is taught on the college level.

Prerequisites: Biology or Honors Biology and Chemistry or Honors Chemistry

CHS – Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	AP Biology	7600	1	Level III
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AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions (taken from the AP Biology website). The course is divided up into eight units: 1. Chemistry of Life, 2. Cell Structure and Function, 3. Cellular Energetics, 4. Cell Communication and the Cell Cycle, 5. Heredity, 6. Gene Expression and Regulation, 7. Natural Selection, and 8. Ecology. AP Biology is a lab-based class and students will have a double period once or twice in the five-day schedule cycle. Students are required to take the AP Biology Exam in May.

Prerequisites: Yearly grade of 85% in Honors Biology and Honors Chemistry. Yearly grade of 90% in Biology and Chemistry. Students are strongly encouraged to take Anatomy and Physiology prior to or concurrent with AP Biology. AP Biology is a Senior Level Course.

CHS – Seton Hill, Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	CHS Chemistry	7650	1	Level II
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CHS Chemistry is a general college level inorganic course designed to be the equivalent of the general chemistry course usually taken during the first college year. The course is designed to develop strong analytical and thinking skills. Students are expected to have a strong background in mathematics since CHS Chemistry involves numerical problem solving and word problem analysis both in the classroom setting and laboratory. The goal of CHS Chemistry is to provide the student a foundation of knowledge on which to rationalize, summarize, and predict the structure and properties that make up chemistry. The focus topics are thermochemistry, kinetics, equilibrium, acid/bases, buffers, thermodynamics, and electrochemistry. This course is aligned with the AP Chemistry curriculum.

Prerequisites: Yearly grade of 85% in Honors Biology and Honors Chemistry. Concurrent course in Honors Trig/Pre-Calculus OR completed, Chemistry teacher recommendation.

CHS – Seton Hill, Mount Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	Introduction to Circuits (STEM)	7705	.5	Level I
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This course is an introduction to electrical circuit design and analysis. It examines physical laws governing voltage and current. Investigation of series, parallel and combined resistive circuits is the principle focus. Analysis methods using network techniques, superposition, Thévenin's and Norton's theorems are introduced and explored. This course is also designed to familiarize the student to DC circuit analysis, design and layout using the National Instrument's Multisim LIVE™ schematic capture and layout software tool that integrates industry-standard SPICE analysis to provide students with an interactive way to instantly visual circuit (design) behavior.

Prerequisites: 85% or higher in Algebra I and minimum grade of 80% in Chemistry or Physics [preferred].

Grade Level	Course Name	Number	Credits	Weight
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11,12 Introduction to Engineering (STEM) 7700 .5 Level I

The course investigates the engineering process and its relationship to the scientific method. It introduces students to the range of engineering disciplines and explores the “design space” as an alternative to traditional single-correct solution course work. Students undergo computer aided design (CAD) emersion using the Autodesk Inventor software tool. It is a project-based curriculum where students are encouraged to explore the software package on their own with faculty guidance. Traditional instruction is limited – stressing only the fundamentals required to allow students to work projects on their own. The class is also goal oriented and teaches the role of mechanical design in the engineering world. Students present a design package to their peers in a simulated design review.

Prerequisites: 85% or higher in Algebra I and minimum grade of 85% in Physics or minimum grade of 80% in, or concurrent registration in CHS Physics or CHS Pitt Physics.

Grade Level	Course Name	Number	Credits	Weight
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11,12 Forensic Science (STEM) 7710 .5 Level I

The course is designed for students who would like to learn about forensic chemistry and the basic science needed to understand it. Topics will include: the methods used in forensic evidence collection, processing, and crime scene reconstruction; blood-spatter investigation, hair evidence identification and analysis techniques, fiber collection, evaluation and identification, glass identification using density and index methods, fingerprints analysis on porous and non-porous surfaces. Students have the opportunity to participate in a weekend (one day) crime scene and a field trip to the Allegheny County Medical Examiner’s office. Students engage in laboratory activities that align to the aforementioned topics and view documentary case files where evidence aligned to the topic is used to solve a case.

Prerequisites: 85% or higher in Chemistry (7210)

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 Medical Perspectives (STEM) 5160 .5 Level I

This STEM elective course is designed to familiarize students with various medical and health care related career paths. Students learn about medical terminology, anatomy, physiology, medical equipment and medical procedures as they pertain to medicine and health care careers. Students also identify legal and ethical responsibilities and considerations in the healthcare industry. Students then explore various medical and health related careers through guest lectures, shadowing opportunities, observation of live surgery and hands-on simulated medical opportunities at the WISER Institute (UPMC/University of Pittsburgh). Students become certified in CPR/First Aid/AED through the American Heart Association. At the completion of this semester course, students acquire many skills necessary for their future medical or healthcare career pathway.

Prerequisites: Completion of Biology or Honors Biology

Grade Level	Course Name	Number	Credits	Weight
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11,12	Structural Analysis	7715	.5	Level I
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This course continues the investigation and development of basic mechanical engineering concepts started in Introduction to Solid Modeling. Structural analysis starts off simple so that no prior knowledge is required however it is strongly recommended that students first have taken either Introduction to Solid Modeling or college-level Physics. The course covers a broad spectrum of common topics that are applicable to mechanical and more specifically, structural engineering, including: forces (including Newtons Laws), stress, strain, modulus of elasticity and Poisson’s ratio as well as application of beam theory. In addition to the theoretical development to aid understanding and hand calculations, students undergo instruction on how to use RISA 2-D, a structural analysis software tool. This is a project-based curriculum where students are encouraged to explore the software package on their own with faculty guidance. Traditional instruction is limited to the first part of the course – stressing only the fundamentals required to allow students to work projects on their own. A basic understanding of algebra and mathematics will help with the completion of this course.

Prerequisites: 85% or better in Introduction to Engineering or minimum grade of 85% in CHS Physics.

SOCIAL STUDIES

Grade Level	Course Name	Number	Credits	Weight
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7	Social Studies 7	8007	0	Level I
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United States History to 1865.

Students in this course will investigate, analyze, and interpret historical concepts and events that shape the United States of America: Emphasis will be on American Democracy, Civil Rights, Liberties, Economic Development, Ideas, Beliefs and Institution while stressing the importance of Catholicism in the developing new country. Evaluations will take several forms including but not limited to written exams, papers and projects, and presentations.

Grade Level	Course Name	Number	Credits	Weight
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8	Social Studies 8	8008	0	Level I
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United States History 1865 to present.

Student will continue their journey through United States history from the previous year. Students will continue to investigate, analyze, and interpret historical concepts and event that shapes the United States of America. Topics of interest include Reconstruction in the South, American Imperialism, World War I, Political and Economic changes of the 1920-30s, World War II, Cold War, Civil and Women’s Rights Movement and the analysis of the impact of technology on American society. Evaluations will take several forms including but not limited to written exams, papers and projects, and power points.

Grade Level	Course Name	Number	Credits	Weight
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9	World History I	8120	1	Level I
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World History 1 is a one credit full year required course available to all freshmen. The students are introduced to the development of humankind in both western and eastern civilizations. The cultural and historical accomplishments are explored on the world's stage as they act and interact to create history. The study of non-western cultures focuses on East Asia, China, India, and Africa in order to promote an understanding of the people their attitudes behaviors, and goals in contrast to our own.

Grade Level	Course Name	Number	Credits	Weight
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9 Honors World History I 1 Level II

Honors World History I is a one-credit full year course in the Diocese of Greensburg school system. The students are introduced to the development of humankind in both western and eastern civilizations. The cultural and historical accomplishments are explored on the world's stage as they act and interact to create history. The study of non-western cultures focuses on East Asia, China, India, and Africa to promote an understanding of the people, their attitudes, behaviors, and goals in contrast to our own.

Honors World History I students will work more independently and demonstrate a deeper understanding of world history concepts. Students will be actively engaged in higher-level critical thinking and student-centered activities to analyze, interpret, and evaluate the historical and cultural patterns of the ancient world. Students enrolled for this class should be self-motivated and willing to engage in critical and analytical thinking and writing.

Prerequisite(s): 93% minimum average in United States History 1865 to present, and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
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10 World History II 8220 1 Level I

World History II is a one credit full year course offered sophomores in the Diocese of Greensburg school system. In World History II, students are introduced to the development of World History from the Renaissance through the modern era. The cultural and political accomplishments of the world are explored as humans act and interact to create history.

Grade Level	Course Name	Number	Credits	Weight
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10 Honors World History II 8225 1 Level II

This course studies the development of man in both western civilization and eastern civilization from 1450 to present. Specific focus is placed on the impacts of European exploration, the age enlightenment, global conflicts, the evolution of technology, decolonization, traditional and modern cultural coexistence, and modern globalization.

Prerequisite(s): 93% minimum average in World History I and teacher recommendation.

Grade Level	Course Name	Number	Credits	Weight
11	American History	8320	1	Level I
<p>American History is a one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from Reconstruction to the present time for high school juniors. Students engage in a social studies curriculum centered on instruction that develops the critical thinking skills of chronological reasoning, argumentation, contextualization, periodization, comparison, and synthesis. Students experience coursework that is presented with adherence to a framework addressing seven overarching universal themes to all history: peopling, culture, geography, politics, identity, technology, and globalization. They respond to essential questions and identify enduring understandings necessary to deal critically with the important issues, events, and documents that comprise history. Students learn to assess historical sources by their relevance to a given interpretive problem, their reliability, and their importance as they learn to weigh primary source evidence and historians' interpretations presented in historical scholarship. Students formulate conclusions on the basis of an informed judgment as they present reasons and support clearly and persuasively. Participating in instruction that trains students to analyze and interpret primary sources, they examine and evaluate documentary materials, maps, statistical tables, literary works, and pictorial and graphic evidence of historical events. Afforded classroom activities and assessments which direct learning, students master the paradigms of expository and argumentative composition and present documented research with clarity and precision in projects, oral reports, and formal academic writing. Instruction incorporates technology-based learning strategies to facilitate the expansion of students' opportunities to become learners and participants in an increasingly global and interactive world.</p>				

Grade Level	Course Name	Number	Credits	Weight
11	Honors American History	8325	1	Level II
<p>Honors American History is an advanced one-year course in the study of the cultural, economic, political, social, and ethnic growth of the United States from the Colonial period to the present time. The course presents aspects of American life, including: behavior patterns, values, beliefs, ideas, ideals, the various institutions established, and the numerous commitments made during the past. Major activities of each period are brought together in units to provide a broad approach to each era. These activities help the student to explore the development of literature, art and architecture of the American people. The study provides the student with the opportunity to survey our accomplishments in transportation, to examine our financial advancements and recessions, to evaluate our acceleration of scientific and technological achievements, and to become aware of our political, military, social and cultural progress.</p> <p>Prerequisite(s): 93% minimum average in previous Honors World History II course 96% in regular World History II and teacher recommendation.</p>				

Grade Level	Course Name	Number	Credits	Weight
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11 AP United States History 8303 1 Level III

Advanced Placement United States History is a yearlong, two-semester course designed to provide high school juniors with the factual knowledge, writing competency, and critical thinking skills necessary for successful performance in a college level, American history course. Students will study the chronological development of the United States from colonial America to the modern time. Students need to have a sincere commitment to learning a comprehensive history of the country’s social, economic, and political evolution. Good reading and writing skills as well as the self-discipline to work with large amounts of material are requisites for the course. Students will practice the writing components of the AP program that include the Free Response Essay and the Document Based Question (DBQ) essay; in addition, they will be expected to complete a research paper that complies with the MLA standards of writing and documentation. The course places special emphasis on the following themes: American identity, cultural diversity, patterns of immigration, political evolution, reform, and economic growth and change. Students will take the AP test in May.

Prerequisite(s): 96% minimum average in Honors American History and teacher recommendation.

CHS – Seton Hill

Grade Level	Course Name	Number	Credits	Weight
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12 Civics and World Citizenship 8410 .5 Level I

This course will explore the critical attributes, institutions, and processes of American Government at federal, state, and local levels, as well as the ongoing responsibilities of the Catholic citizen in American society today. The students presented with several issues concerning the rights and responsibilities of American citizens, as well as the Catholic Church perspectives on various civic issues. The conflict and order of Catholic values versus those of secular American culture will be examined with emphasis on the Catholic solutions to these issues. Students explore the role of government in citizens lives, origins of the U.S. Government, the U.S Constitution, Federalism, the Powers of Congress, the U.S. presidency, foreign policy/national security, federal court system, political parties, and civic responsibility.

Grade Level	Course Name	Number	Credits	Weight
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12 Global Perspectives 8390 .5 Level I

Global Studies is an elective course intended to engage students in considering the problems and issues that face mankind in an increasingly interdependent and dangerous world, and ultimately to recognize their role as part of a unique system that requires such interdependence. The course is taught from a global perspective which will enable students to understand the interconnections between human beings, the environment, cultural patterns, and political organizations. The development of this “global perspective” centers on the refinement and usage of basic social science skills, historical concepts and themes, and critical thinking and problem-solving skills.

Grade Level	Course Name	Number	Credits	Weight
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12	1960-1975	8430	.5	Level I
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The 1960's remains one of the most exciting periods in American history. The changes that occurred during this decade revolutionized the United States, and its legacy is still evident today in national politics and foreign policy as well as culture and fashion. The 1960's are most remembered by the political, cultural, and social movements that helped to bring about many of these changes—most notably the African American freedom struggle and Black Power movement, gay liberation, women's liberation, counterculture and the movements to end the war in Vietnam. Responses to these movements will be presented as many Americans opposed and resisted these movements. The course will begin with the roots of this era that can be traced back to the 1950's and present the most defining events of the 60's and the early 70's, that impacted race relations, music, and culture in this turbulent time in American history.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Economics	8420	.5	Level I
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Economics: New Ways of Thinking is a practical approach to the study of economics. The material used in class incorporates the Voluntary National Content Standards in Economics which includes the following groups involved in American Education. The National Council on Economic Education, the Foundation for Teaching Economics, the National Association of Economic Educators, and the American Economic Association's Committee on Economic Education all contribute to the materials used in the classroom. Topics include Introduction to Economics, The Basics including Supply and Demand, Curves, Microeconomics, and Macroeconomics topics will be covered in this one semester course. Students will work with business and be introduced to and work with information and guest speakers provided through Junior Achievement.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Mock Trial	0781	1	Level 1
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In this year-round Civics, Social Studies, and English department elective course, GCC students will learn how to prepare and deliver a proper speech or address in a public forum. Speeches and debates are themed on various topics and the student will learn to support his or her ideas with evidence, reasoning, and research. This course requires extensive reading and reading comprehension as well enhances vocabulary, critical terminology, proper grammar and sentence construction and syntax.

Also, students enrolled in Mock Trial will study and understand each current year’s proposed case prepared by Pennsylvania State Bar Association (PSBA) Young Lawyers Division. Everyone will study to argue the adopted case for both plaintiff and defense. At least 7 class members plus 3 alternates will be chosen to compete as The Mock Trial Team representing GCC. These students will take on the roles of the attorneys and witnesses for both sides of the case (For the Commonwealth – Prosecution / For the Defense or Public Defenders office). Students will be required to write extensively and to interact as teammates, coaches, and take initiative in self-correction as well as group critique of strategy, skills, and case law.

From November 1 through early April we will be working with our attorney coach, guest attorneys, and other local teams. Students will understand rules of evidence, courtroom decorum, and objection rules at trial. Along with being a part of a competitive mock trial team to compete in the local, district, regional, and state level competitions; students will support those who are competing by attending the trials and helping with practice sessions, and attend all practices after school, at the courthouse, and during our daily class time. All competitions are held in the evening at courthouses throughout our Region 3 District 1 of Indiana, Somerset, and Westmoreland Counties and our Competitive Region (R3) which includes Washington, Fayette, and Greene Counties (D2); and Cambria, Blair, Huntington, Fulton, and Mifflin Counties (D3).

Forensics skills, debate procedure, and correct discourse techniques, reading and research, and expository writing will be learned and practiced throughout the year. Students interested in careers in law, criminology, law enforcement - police, public policy, government office, or criminal justice are encouraged to enroll and excel in this class.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Psychology	8440	.5	Level I
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The course in Psychology is introductory, dealing mainly with human behavior and feelings associated with everyday life. Various subjects, such as the learning process, the working of the mind and human development are covered. Films and discussions aid, the student in seeking a greater awareness of himself and, the world around him.

Grade Level	Course Name	Number	Credits	Weight
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12	AP Psychology	8441	1	Level III
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The systematic and scientific study of the behavior and mental processes of humans and nonhumans serves as the focus and guiding principle for this course. New psychological concepts, methodologies, philosophies, and applications are introduced. Rigorous and frequent tests and quizzes of various forms ensure both valid assessment of student progress and reinforcement of critical ideas. College writing and research skills are developed, applied, and assessed through research papers written in American Psychological Association (APA) format (both semesters), literature critiques, and a year-long research project.

CHS – Seton Hill, Mt. Aloysius

Grade Level	Course Name	Number	Credits	Weight
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11,12	Sociology	8450	.5	Level I
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Sociology is a one-semester elective course in which students are introduced to the current body of knowledge of the discipline of Sociology. This course is centered on the behavior of people in groups. Topics include, but are not limited to, socialization, institutions, social interaction, social change, collective behavior, social justice, and competition in society. Activities include research, group activities and simulations, as well as standard testing.

WORLD LANGUAGE

Grade Level	Course Name	Number	Credits	Weight
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7	Introduction to World Language	3100	0	Level I
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This course presents an introduction to French, German and Spanish by stressing mastery of basic functions of communication, including vocabulary, basic grammar, culture and also shows how each language enhances understanding of the English language.

Grade Level	Course Name	Number	Credits	Weight
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8,9,10,11,12	French I	3210	1	Level I
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French I is designed to introduce basic linguistic proficiency whereby the student will develop a broader understanding of the French culture. Basic grammar and vocabulary are presented and incorporated throughout oral dialogues and readings.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12	French II	3220	1	Level I
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French II focuses on increased linguistic proficiency with emphasis on reading and speaking. In addition to new grammatical structures, practice of basic structures is also included. The themes for the year center around French institutions and daily life activities.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	French III	3230	1	Level I
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French III strongly emphasizes oral communication. More complex structures are included to develop better communication and to serve as an instrument for broadened listening and reading comprehension.

Grade Level	Course Name	Number	Credits	Weight
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11,12	French IV	3240	1	Level II
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French IV uses a cooperative learning model where students work in pairs and small groups to practice both written and oral sentence structures. Students will communicate independently in the target language.

Grade Level	Course Name	Number	Credits	Weight
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12 French V 3250 1 Level II

Students will develop an advanced proficiency in all areas of foreign language: reading, writing, listening, and speaking. There is a strong emphasis on reading, writing, and advanced grammar structures. Students read and summarize modern French literature through creative projects. Students develop a better understanding of French culture through current events.

Grade Level	Course Name	Number	Credits	Weight
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8,9,10,11,12 German I 3310 1 Level I

Contemporary German is taught using a notional-functional syllabus, stressing mastery of basic functions of communication, as well as grammar, vocabulary and culture. Students are expected to acquire an acceptable proficiency in listening to, speaking, reading and writing basic German.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12 German II 3320 1 Level I

Contemporary German is taught using a notional-functional syllabus, stressing mastery of basic functions of communication, as well as grammar, vocabulary and culture. Students are expected to acquire an acceptable proficiency in listening to, speaking, reading and *writing* basic intermediate German.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12 German III 3330 1 Level I

Contemporary German is taught using a notional-functional syllabus, stressing mastery of intermediate functions of communication, as well as grammar, vocabulary and culture, with more emphasis on conversation and composition. Students are expected to acquire an acceptable proficiency in listening to, speaking, reading and writing intermediate level German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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11,12 German IV 3340 1 Level II

Contemporary German is taught using a notional-functional syllabus, stressing mastery of advanced functions of communication, as well as grammar, vocabulary and culture, emphasizing better fluency levels and composition skills. Students are expected to acquire an acceptable proficiency in listening to, speaking, reading and writing advanced intermediate German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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12	German V	3350	1	Level II
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German V completes grammar study and emphasizes near-native conversational fluency and writing skills of contemporary German, as well as more advanced vocabulary and culture. Students are expected to acquire an acceptable proficiency in listening to, speaking reading and writing advanced-level German. Students will also record oral exercises.

Grade Level	Course Name	Number	Credits	Weight
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8,9,10,11,12	Spanish I	3410	1	Level I
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Spanish I serves as the foundation for subsequent levels of Spanish by focusing on meeting the ACTFL and Pennsylvania state standards for foreign language learning, including communication, culture, connections, comparisons and communities. Basic proficiency in listening to, speaking, reading and writing are stressed.

Grade Level	Course Name	Number	Credits	Weight
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9,10,11,12	Spanish II	3420	1	Level I
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Spanish II continues to build the foundation for subsequent levels of Spanish by focusing on meeting the ACTFL and Pennsylvania state standards of foreign language learning, which include communication, culture, connections, comparisons and communities. Basic proficiency in listening to, speaking, reading and writing continue to be stressed.

Grade Level	Course Name	Number	Credits	Weight
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10,11,12	Spanish III	3430	1	Level I
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Spanish III is taught using a notional-functional syllabus, stressing mastery of basic communicative functions, as well as grammar, vocabulary and culture. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of beginning intermediate level Spanish.

Grade Level	Course Name	Number	Credits	Weight
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11,12	Spanish IV	3440	1	Level II
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Spanish IV is taught using a notional-functional syllabus, stressing mastery of basic communicative functions, as well as grammar, vocabulary and culture. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of intermediate Spanish. A major objective of Honors Spanish IV is to provide each student the skills necessary to successfully complete a college placement test as well as a college level Spanish course.

Grade Level	Course Name	Number	Credits	Weight
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12	CHS Spanish V	3450	1	Level II
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Spanish V is taught using a functional syllabus, stressing mastery of communicative functions, grammatical structure reviews, vocabulary and cultural strengthening. Students will acquire acceptable proficiency in listening to, speaking, reading and writing of intermediate-advanced Spanish.

CHS – Saint Vincent, Seton Hill

WORLD LANGUAGE ELECTIVE

Grade Level	Course Name	Number	Credits	Weight
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10, 11, 12	Latin I	3510	1	Level I
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This class is designed as an introduction to Ecclesiastical Latin using the proven “Natural Method” of language learning in the series *Lingua Latina* by Hans Orberg. The class will mainly consist in reading through the stories found within the text and answering grammatical questions related to that reading. This will provide a solid foundation for root words in the English language which will greatly benefit language comprehension in subjects such as sciences, law, theology, and SAT-prep. The class will also delve into the rich history of Latin as the official language of the Roman Catholic Church – the liturgy, ecclesiastical music, the liturgical year, and the art heritage of the Church.